

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Jul 2026

posterior corneal elevation changes after photorefractive keratectomy

Protocol summary

Summary

The aim of this research is to study the effect of photorefractive keratectomy refractive surgery on posterior corneal elevation. In this research 32 eyes of 16 patients aged 15 to 50 referred to Vanak Eye Surgery Center will be recruited. Posterior corneal elevation before and 3 months after photorefractive keratectomy surgery by Pentacam will be assessed.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201009273101N4**
Registration date: **2010-10-07, 1389/07/15**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2010-10-07, 1389/07/15

Registrant information

Name

Mohamad Sadegh Ghasemi

Name of organization / entity

Iran University of Medical Science

Country

Iran (Islamic Republic of)

Phone

+98 21 2222 9086

Email address

m.s.ghasemi@iums.ac.ir

Recruitment status

Recruitment complete

Funding source

Iran University of Medical Sciences

Expected recruitment start date

2010-04-21, 1389/02/01

Expected recruitment end date

2010-10-22, 1389/07/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

posterior corneal elevation changes after photorefractive keratectomy

Public title

posterior corneal elevation changes after photorefractive keratectomy

Purpose

Other

Inclusion/Exclusion criteria

Inclusion criteria: candidates of photorefractive keratectomy, myopic patients, no use of rigid contact lenses 1 month and soft contact lenses 2 weeks before surgery, residence in Tehran
Exclusion criteria: corneal pathology such as keratoconus, use of ocular drugs, previous ocular surgery, amblyopia, pregnancy

Age

From **15 years** old to **45 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **32**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics Committee of faculty of rehabilitation, Iran University of Medical Sciences

Street address

Rehabilitation college, Shahnazari St, Madar avenue, Mirdamad blvd

City

tehran

Postal code**Approval date**

empty

Ethics committee reference number

233

Health conditions studied**1****Description of health condition studied**

myopia

ICD-10 code

H52.1

ICD-10 code description

MYOPIA

Primary outcomes**1****Description**

posterior corneal elevation

Timepoint

before and 3 months after surgery

Method of measurement

Pentacam

Secondary outcomes

empty

Intervention groups**1****Description**

photorefractive keratectomy refractive surgery

Category

Treatment - Surgery

Recruitment centers**1****Recruitment center****Name of recruitment center**

Vanak Eye Surgery center

Full name of responsible person

Dr Nader Nasiri

Street address

Vanak square

City

Tehran

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Vice-chancellor for Research, Iran University of Medical Sciences

Full name of responsible person

Dr M. Moradi Lakeh

Street address

Iran University of Medical Sciences-Hemmat expway

City

Tehran

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Vice-chancellor for Research, Iran University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

empty

Person responsible for general inquiries**Contact****Name of organization / entity**

Faculty of Rehabilitation, Iran University of Medical Sciences

Full name of responsible person

Dr Mohamad Sadegh Ghasemi

Position

Assistant Professor, PhD

Other areas of specialty/work**Street address**

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Faculty of RehabilitationIran University of Medical Sciences

Full name of responsible person

Vahid Damanpak

Position

Master of science in optometry

Other areas of specialty/work

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Person responsible for updating data

Contact

Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty